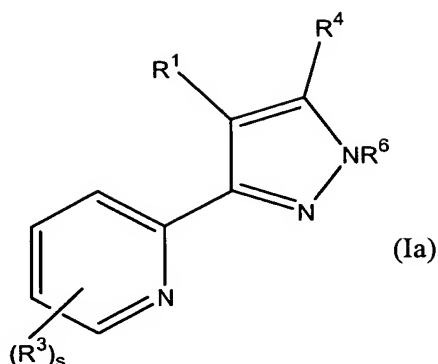


The claimed invention is:

1. A compound of formula (Ia):



or a pharmaceutically acceptable salt, prodrug, tautomer, hydrate or solvate thereof,  
5 wherein:

- $R^1$  is a saturated, unsaturated, or aromatic  $C_3$ - $C_{20}$  mono-, bi- or polycyclic ring optionally containing at least one heteroatom selected from the group consisting of N, O and S, wherein  $R^1$  can optionally be further independently substituted with at least one moiety independently selected from the group consisting of: carbonyl,  
10 halo, halo( $C_1$ - $C_6$ )alkyl, perhalo( $C_1$ - $C_6$ )alkyl, perhalo( $C_1$ - $C_6$ )alkoxy, ( $C_1$ - $C_6$ )alkyl, ( $C_2$ - $C_6$ )alkenyl, ( $C_2$ - $C_6$ )alkynyl, hydroxy, oxo, mercapto, ( $C_1$ - $C_6$ )alkylthio, ( $C_1$ - $C_6$ )alkoxy, ( $C_5$ - $C_{10}$ )aryl or ( $C_5$ - $C_{10}$ )heteroaryl, ( $C_5$ - $C_{10}$ )aryloxy or ( $C_5$ - $C_{10}$ )heteroaryloxy, ( $C_5$ - $C_{10}$ )ar( $C_1$ - $C_6$ )alkyl or ( $C_5$ - $C_{10}$ )heteroar( $C_1$ - $C_6$ )alkyl, ( $C_5$ - $C_{10}$ )ar( $C_1$ - $C_6$ )alkoxy or ( $C_5$ - $C_{10}$ )heteroar( $C_1$ - $C_6$ )alkoxy, HO-(C=O)-, ester, amido,  
15 ether, amino, amino( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylamino( $C_1$ - $C_6$ )alkyl, di( $C_1$ - $C_6$ )alkylamino( $C_1$ - $C_6$ )alkyl, ( $C_5$ - $C_{10}$ )heterocyclyl( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkyl- and di( $C_1$ - $C_6$ )alkylamino, cyano, nitro, carbamoyl, ( $C_1$ - $C_6$ )alkylcarbonyl, ( $C_1$ - $C_6$ )alkoxycarbonyl, ( $C_1$ - $C_6$ )alkylaminocarbonyl, di( $C_1$ - $C_6$ )alkylaminocarbonyl, ( $C_5$ - $C_{10}$ )arylcarbonyl, ( $C_5$ - $C_{10}$ )aryloxycarbonyl,  
20 ( $C_1$ - $C_6$ )alkylsulfonyl, and ( $C_5$ - $C_{10}$ )arylsulfonyl;

each  $R^3$  is independently selected from the group consisting of: hydrogen, halo, halo( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkyl, ( $C_2$ - $C_6$ )alkenyl, ( $C_2$ - $C_6$ )alkynyl, perhalo( $C_1$ - $C_6$ )alkyl, phenyl, ( $C_5$ - $C_{10}$ )heteroaryl, ( $C_5$ - $C_{10}$ )heterocyclic,

(C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, hydroxy, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, perhalo(C<sub>1</sub>-C<sub>6</sub>)alkoxy, phenoxy,  
 (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-O-, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-O-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-O-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-S-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>2</sub>-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-SO<sub>2</sub>-, O<sub>2</sub>N-, NC-, amino,  
 Ph(CH<sub>2</sub>)<sub>1-6</sub>HN-, (C<sub>1</sub>-C<sub>6</sub>)alkyl HN-, (C<sub>1</sub>-C<sub>6</sub>)alkylamino, [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-amino,  
 5 (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>2</sub>-NH-, amino(C=O)-, aminoO<sub>2</sub>S-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-NH-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-[((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-, phenyl-(C=O)-NH-,  
 phenyl-(C=O)-[(C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-, phenyl-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-(C=O)-, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-(C=O)-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-(C=O)-,  
 HO-(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-O-(C=O)-, H<sub>2</sub>N(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-,  
 10 [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-N-(C=O)-, phenyl-NH-(C=O)-, phenyl-[(C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-NH-(C=O)-, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-NH-(C=O)-,  
 (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-NH-(C=O)- and (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-O-;

where alkyl, alkenyl, alkynyl, phenyl, heteroaryl, heterocyclic, cycloalkyl,  
 15 alkoxy, phenoxy, amino of R<sup>3</sup> is optionally substituted by at least one substituent  
 independently selected from (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl, halo,  
 H<sub>2</sub>N-, Ph(CH<sub>2</sub>)<sub>1-6</sub>HN-, and (C<sub>1</sub>-C<sub>6</sub>)alkylHN-;

s is an integer from one to five;

20

R<sup>4</sup> is selected from the group consisting of: hydrogen, halo, halo(C<sub>1</sub>-  
 C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl,  
 perhalo(C<sub>1</sub>-C<sub>6</sub>)alkyl, phenyl, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic,  
 (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, hydroxy, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, perhalo(C<sub>1</sub>-C<sub>6</sub>)alkoxy, phenoxy,  
 25 (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-O-, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-O-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-O-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-S-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>2</sub>-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-SO<sub>2</sub>-, O<sub>2</sub>N-, NC-, amino,  
 Ph(CH<sub>2</sub>)<sub>1-6</sub>NH-, alkylNH-, (C<sub>1</sub>-C<sub>6</sub>)alkylamino, [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-amino,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>2</sub>-NH-, amino(C=O)-, aminoSO<sub>2</sub>-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-NH-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-, phenyl-(C=O)-NH-,  
 30 phenyl-(C=O)-((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-, phenyl-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-(C=O)-, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-(C=O)-, cycloalkyl-(C=O)-,

HO-(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-O-(C=O)-, H<sub>2</sub>N(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-,  
 ((C<sub>1</sub>-C<sub>6</sub>)alkyl)<sub>2</sub>-N-(C=O)-, phenyl-NH-(C=O)-, phenyl-((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-NH-(C=O)-, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-NH-(C=O)-,  
 (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-NH-(C=O)- and (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-O-,

5           where alkyl, alkenyl, alkynyl, phenyl, heteroaryl, heterocyclic, cycloalkyl,  
 alkoxy, phenoxy, and amino of R<sup>4</sup> is optionally substituted by at least one  
 substituent independently selected from the group consisting of (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-  
 C<sub>6</sub>)alkoxy, halo(C<sub>1</sub>-C<sub>6</sub>)alkyl, halo, H<sub>2</sub>N-, Ph(CH<sub>2</sub>)<sub>1-6</sub>-NH-, and (C<sub>1</sub>-C<sub>6</sub>)alkylNH-; and

10           R<sup>6</sup> is selected from the group consisting of hydrogen, (C<sub>1</sub>-C<sub>6</sub>)alkyl,  
 (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, phenyl, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic,  
 (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(SO<sub>2</sub>)-, phenyl-(SO<sub>2</sub>)-, H<sub>2</sub>N-(SO<sub>2</sub>)-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(SO<sub>2</sub>)-, ((C<sub>1</sub>-C<sub>6</sub>)alkyl)<sub>2</sub>N-(SO<sub>2</sub>)-, phenyl-NH-(SO<sub>2</sub>)-,  
 (phenyl)<sub>2</sub>N-(SO<sub>2</sub>)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-, phenyl-(C=O)-, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-(C=O)-,  
 15 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-(C=O)-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-O-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-O-(C=O)-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-O-(C=O)-, H<sub>2</sub>N-(C=O)-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-, phenyl-NH-(C=O)-, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-NH-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-NH-(C=O)-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-NH-(C=O)-,  
 ((C<sub>1</sub>-C<sub>6</sub>)alkyl)<sub>2</sub>N-(C=O)-, (phenyl)<sub>2</sub>N-(C=O)-, phenyl-(((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-(C=O)-,  
 20 (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-(((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-(((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-(C=O)-, and  
 (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-(((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-(C=O)-;

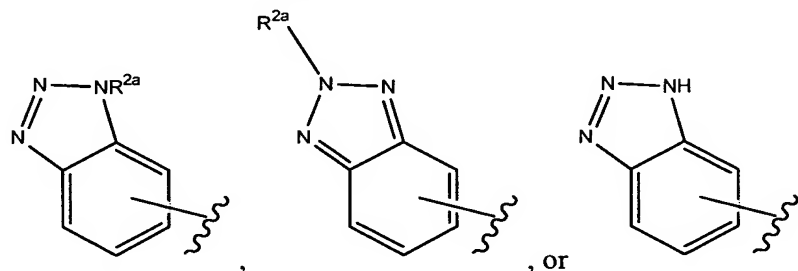
          where alkyl, alkenyl, alkynyl, phenyl, benzyl, heteroaryl, heterocyclic,  
 cycloalkyl, alkoxy, phenoxy, amino of R<sup>6</sup> is optionally substituted with at least one  
 25 moiety independently selected from the group consisting of halo, (C<sub>1</sub>-C<sub>6</sub>)alkyl,  
 (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, perhalo(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, phenyl,  
 benzyl, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl, (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>2</sub>-, formyl, NC-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-(C=O)-, phenyl-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-(C=O)-, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-(C=O)-, HO-(C=O)-,  
 30 (C<sub>1</sub>-C<sub>6</sub>)alkyl-O-(C=O)-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-O-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-O-(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-,

- (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-NH-(C=O)-, phenyl-NH-(C=O)-,  
 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-NH-(C=O)-, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-NH-(C=O)-,  
 ((C<sub>1</sub>-C<sub>6</sub>)alkyl)<sub>2</sub>-N-(C=O)-, phenyl-(((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N)-(C=O)-, hydroxy,  
 (C<sub>1</sub>-C<sub>6</sub>)alkoxy, perhalo(C<sub>1</sub>-C<sub>6</sub>)alkoxy, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-O-, phenoxy,  
 5 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-O-, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-O-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-O-,  
 (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-(C=O)-O-, phenyl-(C=O)-O-, (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-(C=O)-O-,  
 (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-(C=O)-O-, O<sub>2</sub>N-, amino, (C<sub>1</sub>-C<sub>6</sub>)alkylamino,  
 ((C<sub>1</sub>-C<sub>6</sub>)alkyl)<sub>2</sub>-amino, formamidyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-NH-,  
 (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-(C=O)-NH-, phenyl-(C=O)-NH-,  
 10 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-(C=O)-NH-, (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-(C=O)-NH-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-[((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-, phenyl-(C=O)-[((C<sub>1</sub>-C<sub>6</sub>)alkyl)-N]-,  
 (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>2</sub>NH-, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl-SO<sub>2</sub>NH-, phenyl-SO<sub>2</sub>NH-,  
 (C<sub>5</sub>-C<sub>10</sub>)heterocyclic-SO<sub>2</sub>NH- and (C<sub>5</sub>-C<sub>10</sub>)heteroaryl-SO<sub>2</sub>NH-;

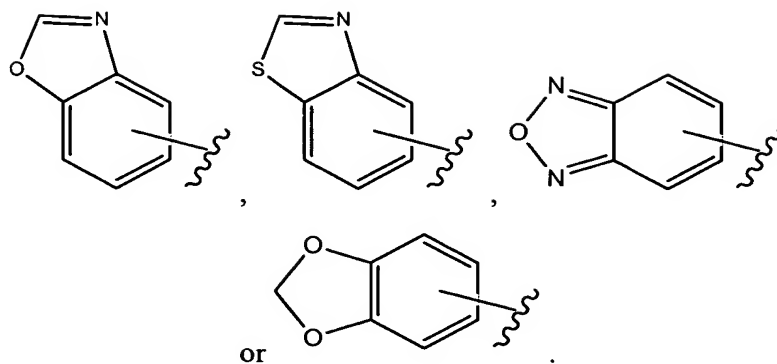
- wherein the phenyl or heteroaryl moiety of a R<sup>6</sup> substituent is optionally  
 15 further substituted with at least one radical independently selected from the group  
 consisting of halo, (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, perfluoro(C<sub>1</sub>-C<sub>6</sub>)alkyl and  
 perfluoro(C<sub>1</sub>-C<sub>6</sub>)alkoxy,

with the proviso that R<sup>1</sup> contains at least one heteroatom.

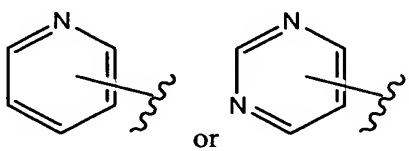
- 20 2. A compound of claim 1, wherein R<sup>1</sup> is



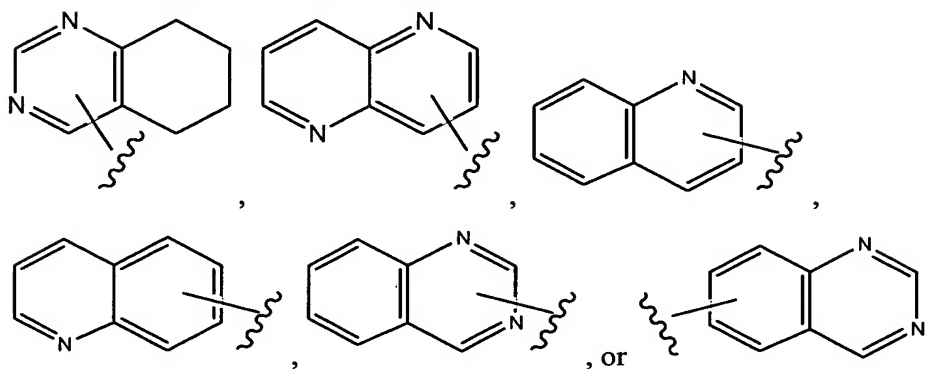
3. A compound of claim 1, wherein R<sup>1</sup> is



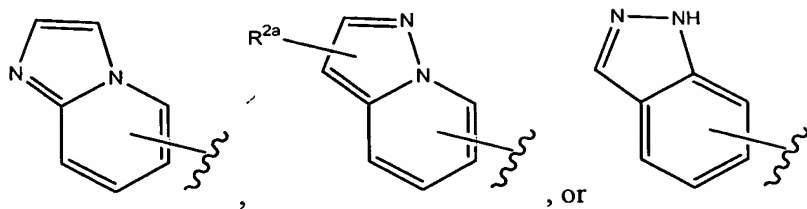
4. A compound of claim 1, wherein  $R^1$  is



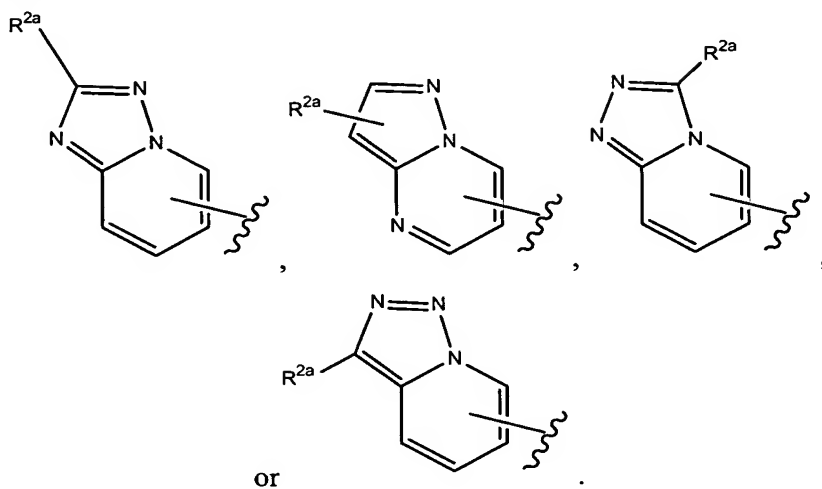
5. A compound of claim 1, wherein  $R^1$  is



6. A compound of claim 1, wherein  $R^1$  is

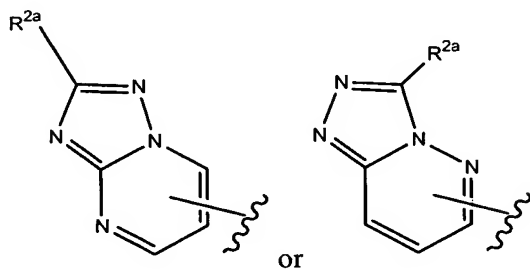


7. A compound of claim 1, wherein  $R^1$  is



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8. A compound of claim 1, wherein  $R^1$  is



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9. A compound of claim 1, wherein  $s$  is one to two;  $R^3$  is hydrogen or  $(C_1-C_6)$ alkyl;  $R^4$  is hydrogen,  $(C_1-C_6)$ alkyl,  $(C_3-C_{10})$ cycloalkyl, amino,  $(C_1-C_6)$ alkylamino,  $(C_1-C_6)$ alkyl- $(C=O)-$ , or  $(C_3-C_{10})$ cycloalkyl- $(C=O)-$ ; and  $R^6$  is H or  $(C_1-C_6)$ alkyl.

10. A pharmaceutical composition comprising a compound of claim 1 and a pharmaceutically acceptable carrier.

5 11. A method of preventing or treating a TGF-related disease state in an animal or human comprising the step of administering a therapeutically effective amount of a compound of claim 1 to the animal or human suffering from the TGF-related disease state.

10 12. A method of claim 11, wherein said TGF-related disease state is selected from the group consisting of cancer, glomerulonephritis, diabetic nephropathy, hepatic fibrosis, pulmonary fibrosis, intimal hyperplasia and restenosis, scleroderma, and dermal scarring.